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	Filing Date		2004-02-10	
	First Named Inventor	David Bebbington		
	Art Unit	1624		
	Examiner Name	Tamthom Ngo Truong		
Attorney Docket Number		VPI/00-130-07 DIV US		

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15	20030092714	A1	2003-05-15	Cao et al.	
16	20040229875	A1	2004-11-18	Cao et al.	
17	20030096816	A1	2003-05-22	Cao et al.	
18	20040023963	A1	2004-02-05	Cao et al.	
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20	20030096813	A1	2003-05-22	Cao et al.	
21	20030144309	A1	2003-07-31	Choon-Moon	
22	20040009996	A1	2004-01-15	Moon et al.	
23	20030171389	A1	2003-09-11	Bemis et al.	
24	20040029857	A1	2004-02-12	Hale et al.	
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26	20040097531	A1	2004-05-20	Ledeboer et al.	
27	20030022885	A1	2003-01-30	Bebbington et al.	
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7	9918781	WO	A1	1999-04-22	Cytovia, Inc.	<input type="checkbox"/>
8	9965897	WO	A1	1999-12-23	Chiron Corporation	<input type="checkbox"/>
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	1	Alonso, M. et al., "GSK-3 Inhibitors: Discoveries and Develoments", Current Medicinal Chemistry, 11, 755-763 (2004).	<input type="checkbox"/>
	2	Anonymous, "Vertex Inhibitors of Aurora-2, glycogen synthase kinase-3 and Src Kinase", Expert Opin. Ther. Patents, 14(3): 439-443 (2004).	<input type="checkbox"/>
	3	Baig, G.U. et al., "Triazines and Related Products. Part 28' Conversion of 3-Aryl-4-(2-cyanophenyl) triazines into 3-Arylquinoxalines and 4-(3H)-ones with Formamide" J. Chem. Soc. Perkin Trans. I, 3765-2766 (1984).	<input type="checkbox"/>
	4	Bischoff, J.R., et al., "A homologue of Drosophila aurora kinase is oncogenic and amplified in human colorectal cancers", The EMBO Journal, 17(11): 3052-3065 (1998).	<input type="checkbox"/>
	5	Bischoff, J.R., et al., "The Aurora/Iplp kinase family: regulators of chromosome segregation and cytokinesis", CELL BIOLOGY, 9, 454-459 (1999).	<input type="checkbox"/>
	6	Brunswick, D.J. et al., "Cyclic Amidines. Part XXII. Novel Isomerism of Disubstituted Tricycloquinazolines and Molecular Orientations in Carcinogenesis", J. Chem. SOC. (C), 2641-2647 (1970).	<input type="checkbox"/>

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7	Wolff, M.E., "Burger's Medicinal Chemistry and Drug Discovery," 5th ed., Vol. 1: Principles and Practice, 975-977 (1995).	<input type="checkbox"/>
8	Cohen, P. et al., "The renaissance of GSK3," Nat. Rev. Mol. Biol., 2, 769-776 (2001).	<input type="checkbox"/>
9	Eldar-Finkelman, H. et al., "Challenges and opportunities with glycogen synthase kinase-3 inhibitors for insulin resistance and Type 2 diabetes treatment," Expert Opinion on Investigational Drugs, 12(9): 1511-1519 (2003).	<input type="checkbox"/>
10	Harrington, E.A. et al., "VX-680, a potent and selective small-molecule inhibitor of the Aurora kinases, suppresses tumor growth in vivo," Nat. Med., 10(3): 262-267 (2004).	<input type="checkbox"/>
11	Heutink, P., "Untangling tau-related dementia", Hum. Mol. Genet., 9(6): 979-986 (2000).	<input type="checkbox"/>
12	Nigg, E.A., "Mitotic Kinases as Regulators of Cell Division and its Checkpoints," Nat. Rev. Mol. Cell Biol., 2: 21-32 (2001).	<input type="checkbox"/>
13	Traxler, P. et al., "Use of a Pharmacophore Model for the Design of EGF-R Tyrosine Kinase Inhibitors: 4-(Phenylamino)pyrazolo[3,4-d]pyrimidines," J. Med. Chem., 40, 3601-3616 (1997).	<input type="checkbox"/>
14	CAPLUS listing Accession No. 1994-292136, Nakajima, Y. et al., "Pyrazoles agricultural and horticultural bactericides," JP 06065237 (1994).	<input type="checkbox"/>
15	DATABASE CA "Online" Chemical Abstract Service, Columbus, OH, US; Kelarev, V.I. et al., "Synthesis of amino derivatives of 1,3,5-triazine containing 1,3,4-thiadiazole fragments," Database Accession No. 1998 68514 XP002242653 abstract & IZVESTIYA VYSSHIKH UCHEBNIKH ZAVEDENII, KHIMIYA I KHIMICHESKAYA TEKHOLOGIYA, 40(5): 27-32 (1997).	<input type="checkbox"/>
16	Chalmers, D.T. et al., "Corticotrophin-releasing factor receptors: from molecular biology to drug design," TIPS, 17, 769-776 (2001).	<input type="checkbox"/>
17	Kim et al., "GSK3, a master switch regulating cell-fate specification and tumorigenesis," Current Opinion in Genetics & Development, 10:508-514 (2000).	<input type="checkbox"/>

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18	Lyrer, P., Schweiz. Med. Woohen Schr., 124(45); 2005-2012 (1994).	<input type="checkbox"/>
19	Douglas, et al., "Introduction to Viral Disease, Cecil Textbook of Medicine, 20th Edition, Vol. 2, 1739-1749 (1996).	<input type="checkbox"/>
20	Banker, G.S. et al., "Modern Pharmaceutics", 451 & 596, 3rd ed., Marcel Dekker, New York (1996).	<input type="checkbox"/>
21	Lovestone, S. et al., "Alzheimer's disease-like phosphorylation of the microtubule-associated protein tau by glycogen synthase kinase-3 in transfected mammalian cells", Curr. Biol., 4(12), 1077-86 (1994).	<input type="checkbox"/>
22	Ivashchenko A. V. et al., "Synthesis and Study of Heteroaromatic Ligands Containing a Pyrimidine Ring", Khim. Geterotsikl. Soedin., (12), 1673-7, (1980) (in English).	<input type="checkbox"/>
23	Brownlees, J. et al., "Tau phosphorylation in transgenic mice expressing glycogen synthase kinase-3beta transgenes", Neuroreport., 8(15), 3251-5 (1997).	<input type="checkbox"/>
24	Biagi, G. et al., "Synthesis of 4,6 Disubstituted and 4,5,6-Trisubstituted-2-Phenyl-pyrimidines and Their Affinity Towards A1 Adenosine Receptors", Farmaco., 52(1), 61-65 (1997).	<input type="checkbox"/>
25	Ali, N. M. et al., "Palladium-Catalyzed Cross Coupling Reactions of Arylboronic Acids with P-Deficient Heteroaryl Chlorides" Tetrahedron, 48 (37), 8117-8126 (1992).	<input type="checkbox"/>
26	Zhang, Z. et al., "Destabilization of β catenin by mutations in presenilin-1 potentiates neuronal apoptosis", Nature, 395, 698-702 (1998)	<input type="checkbox"/>
27	Takashima, K. et al., "Tau Protein Kinase I is Essential for Amyloid β -Protein-Induced Neurotoxicity", PNAS 90, 7789-7793 (1993).	<input type="checkbox"/>
28	Pei, J. et al., "Distribution, Levels, and Activity of Glycogen Synthase Kinase-3 in the Alzheimer Disease Brain", J. Neuropathol Exp., 56, 70-78 (1997).	<input type="checkbox"/>

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29	IUPAC Compendium of Chemical Terminology on a definition of "aliphatic compounds" found from http://www.chemsoc.org/chembytes/goldbook/index.htm (last visited on November 18, 2007).	<input type="checkbox"/>
30	Glossary of Class Names of Organic Compounds and Reactive Intermediates Based on Structure found from http://www.chem.qmul.ac.uk/iupac/class/index.html (last visited on November 18, 2007).	<input type="checkbox"/>
31	Nomenclature found from http://www.cem.msu.edu/~reusch/VirtualText/nomen1.htm (last visited on November 18, 2007).	<input type="checkbox"/>
32	Bokemeyer, D. et al., "Multiple intracellular MAP kinase signaling cascades", <i>Kidney Int.</i> , 49, 1187-1198 (1996).	<input type="checkbox"/>
33	Anderson, N.G. et al., "Multiple intracellular MAP kinase signaling cascades", <i>Nature</i> , 343, 651-653 (1990).	<input type="checkbox"/>
34	Crews, C.M. et al., "The Primary Structure of MEK, a Protein Kinase That Phosphorylates the ERK Gene Product", <i>Science</i> , 258, 478-480 (1992).	<input type="checkbox"/>
35	Bjorbaek, C. et al., "Divergent Functional Roles for p90rsk Kinase Domains", <i>J. Biol. Chem.</i> , 270(32), 18848-18552 (1995).	<input type="checkbox"/>
36	Rouse, J. et al., "A Novel Kinase Cascade Triggered by Stress and Heat Shock That Stimulates MAPKAP Kinase-2 and Phosphorylation of the Small Heat Shock Proteins", <i>Cell</i> , 78, 1027-1037 (1994).	<input type="checkbox"/>
37	Raingaud, J. et al., "MMK3- and MMK6-Regulated Gene Expression Is Mediated by p38 Mitogen-Activated Protein Kinase Signal Transduction Pathway", <i>Mol. Cell. Biol.</i> , 16, 1247-1255 (1996).	<input type="checkbox"/>
38	Chen, R.H. et al., "Phosphorylation of the c-Fos transrepression domain by mitogen-activated protein kinase and 90-kDa ribosomal S6 kinase", <i>Proc. Natl. Acad. Sci. USA</i> , 90, 10952-10956 (1993).	<input type="checkbox"/>
39	Moodie, S.A. et al., "Complexes of Ras-GTP with Raf-1 and Mitogen-Activated Protein Kinase Kinase", <i>Science</i> , 260 (5114), 1658-1661 (1993).	<input type="checkbox"/>

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40	Frey, R.S. et al., "Involvement of Extracellular Signal-regulated Kinase 2 and Stress-activated Protein Kinase/Jun N-Terminal Kinase Activation by Transforming Growth Factor β in the Negative Growth Control of Breast Cancer Cells", Cancer Res., 57, 628-633 (1997).	<input type="checkbox"/>
41	Sivaraman, V.S., et al., "Hyperexpression of Mitogen-activated Protein Kinase in Human Breast Cancer", J. Clin. Invest., 99(7), 1478-1483 (1997).	<input type="checkbox"/>
42	Whelchel, A. et al., "Inhibition of ERK Activation Attenuates Endothelin-stimulated Airway Smooth Muscle Cell Proliferation", Am. J. Respir. Cell Mol. Biol., 16, 589-596 (1997).	<input type="checkbox"/>
43	Yuan, Z.Q. et al., "Frequent activation of AKT2 and induction of apoptosis by inhibition of phosphoinositide-3-OH kinase/Akt pathway in human ovarian cancer", Oncogene, 19, 2324-2330 (2000).	<input type="checkbox"/>
44	Namikawa, T. J., et al., "Akt/Protein Kinase B Prevents Injury-Induced Motoneuron Death and Accelerates Axonal Regeneration", J. of Neuroscience, 20(8), 2875-2986 (2000).	<input type="checkbox"/>
45	Molina, T.J. et al., "Profound block in thymocyte development in mice lacking p56lck", Nature, 357, 161-164 (1992).	<input type="checkbox"/>
46	Kimura, M. et al., "Cell Cycle-dependent Expression and Centrosome Localization of a Third Human Aurora/Ipl1-related Protein Kinase, AIK3", J. Biol. Chem., 274(11), 13766-13771 (1997).	<input type="checkbox"/>

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